

## Appendix A References

### A-1. Required Publications

National Environmental Policy Act  
National Environmental Policy Act (NEPA), PL 9-190,  
Section 102(2)(c), 1 Jan 1970, 83 Stat 853.

#### ER 1110-1-8100

Laboratory Investigations and Materials Testing

#### ER 1110-2-1150

Engineering After Feasibility Studies, Ch 1

#### ER 1110-2-1402

Hydrologic Investigation Requirements for Water Quality Control

#### ER 1110-2-1405

Hydraulic Design for Local Flood Protection Projects

#### ER 1110-2-2901

Construction Cofferdams

#### EM 1110-2-1205

Environmental Engineering for Local Flood Control Channels

#### EM 1110-2-1409

Backwater Curves in River Channels, Ch 1

#### EM 1110-2-1602

Hydraulic Design of Reservoir Outlet Works

#### EM 1110-2-1603

Hydraulic Design of Spillways

#### EM 1110-2-1612

Ice Engineering, Ch 1

#### EM 1110-2-1901

Seepage Analysis and Control for Dams

#### EM 1110-2-2302

Construction with Large Stone

#### EM 1110-2-4000

Sedimentation Investigations of Rivers and Reservoirs

Hydraulic Design Criteria (HDC) sheets and charts available from US Army Engineer Waterways Experiment

Station, ATTN: CEWES-IM-MI-S, 3909 Halls Ferry Road, Vicksburg, MS 39180-6199. A fee of \$10 is charged non-Government requestors.

- \* Conversationally Oriented Real-Time Programming System (CORPS) computer programs available from US Army Engineer Waterways Experiment Station, ATTN: CEWES-IM-DS, 3909 Halls Ferry Road, Vicksburg, MS 39180-6199, for several US Army Corps of Engineers computer systems.

### A-2. Related Publications

Note: References used in this EM are available on interlibrary loan from the Research Library, ATTN: CEWES-IM-MI-R, US Army Engineer Waterways Experiment Station, 3909 Halls Ferry Road, Vicksburg, MS 39180-6199.

#### Abt et al. 1988

Abt, S. R., Wittler, R. J., Ruff, J. F., LaGrone, D. L., Khattak, M. S., Nelson, J. D., Hinkle, N. E., and Lee, D. W. 1988 (Sep). "Development of Riprap Design Criteria by Riprap Testing in Flumes: Phase II; Followup Investigations," Vol 2, NUREG/CR-4651, ORNL/TM-10100/V2, prepared for US Nuclear Regulatory Commission, Washington, DC.

#### American Society of Civil Engineers 1942

American Society of Civil Engineers. 1942. "Hydraulic Models," Manuals of Engineering Practice No. 25, New York.

#### American Society of Mechanical Engineers 1958

American Society of Mechanical Engineers. 1958. "American Standard Letter Symbols for Hydraulics," ASA Y10.2-1958, New York.

#### Apmann 1972

Apmann, R. P. 1972 (May). "Flow Processes in Open Channel Bends," *Journal of the Hydraulics Division, American Society of Civil Engineers*, Vol 98, HY5, Proceedings Paper 8886, pp 795-810.

- \* **Arcement and Schneider 1989**

Arcement, George J., Jr., and Schneider, Verne R. 1989. "Guide for Selecting Manning's Roughness Coefficients for Natural Channels and Flood Plains," US Geological Survey, Water-Supply Paper 2339, Department of the Interior, US Geological Survey, prepared in cooperation with US Department of Transportation, Federal Highway Administration, for sale by Books and Open-File Reports Section, Federal Center, Box 25425, Denver, CO 80225. \*

**Bagnold 1960**

Bagnold, Ralph A. 1960. "Some Aspects of the Shape of River Meanders," Geological Survey Professional Paper 282-E, US Government Printing Office, Washington, DC.

**Bakhmeteff and Matzke 1936**

Bakhmeteff, Boris A., and Matzke, Arthur E. 1936. "The Hydraulic Jump in Terms of Dynamic Similarity," *Transactions, American Society of Civil Engineers*, Vol 101, Paper No. 1935, pp 630-680.

\* **Barnes 1967**

Barnes, Harry H., Jr. 1967. "Roughness Characteristics of Natural Channels," US Geological Survey Water-Supply Paper 1849, US Government Printing Office, Washington, DC. \*

**Behlke and Pritchett 1966**

Behlke, Charles E., and Pritchett, Harold D. 1966. "The Design of Supercritical Flow Channel Junctions," Highway Research Record No. 123, Highway Research Board, National Research Council, Washington, DC. \*

\* **Bernard 1993**

Bernard, Robert S. 1993. "STREMR; Numerical Model for Depth-Averaged Incompressible Flow," Technical Report REMR-HY-11, US Army Engineer Waterways Experiment Station, Vicksburg, MS. \*

**Blue and Shulits (1964)**

Blue, F. L., and Shulits, Sam. 1964 (Dec). "Open-Channel Transitions in Supercritical Flow," Hydraulic Laboratory Bulletin, Department of Civil Engineering, Pennsylvania State University, University Park, PA. (See also Blue, F. L., Jr., and Rajagopal, H. Y. 1969 (Apr). "Open-Channel Transitions in Supercritical Flow," Engineering Research Bulletin B-98, Pennsylvania State University, University Park, PA.)

**Bowers 1950**

Bowers, Charles E. 1950 (Jan). "Hydraulic Model Studies for Whiting Field Naval Air Station, Part V: Studies of Open-Channel Junctions," Project Report No. 24, St. Anthony Falls Hydraulic Laboratory, Minneapolis, MN.

**Bradley 1978**

Bradley, Joseph N. 1978. "Hydraulics of Bridge Waterways," Hydraulic Design Series No. 1, 2d ed., US Department of Transportation, Federal Highway Administration, Washington, DC.

**Bradley and Peterka 1957**

Bradley, J. N., and Peterka, A. J. 1957 (Oct). "The Hydraulic Design of Stilling Basins: Hydraulic Jumps on a Horizontal Apron (Basin I)," *Journal of the Hydraulics Division, American Society of Civil Engineers*, Vol 83, Paper No. 1401, HY5, pp 1401-1 through 1401-24.

**Brater and King 1976**

Brater, Ernest F., and King, Horace William. 1976. *Handbook of Hydraulics for the Solution of Hydraulic Engineering Problems*, 6th ed., McGraw-Hill, New York.

\* **Brownlie 1981**

Brownlie, William R. 1981. "Prediction of Flow Depth and Sediment Discharge in Open Channels," Report No. KH-R-43A, California Institute of Technology, W. M. Keck Laboratories of Hydraulics and Water Resources, Pasadena, CA. \*

\* **Brownlie 1983**

Brownlie, William R. 1983 (Jul). "Flow Depth in Sand-Bed Channels," *Journal of Hydraulic Engineering, American Society of Civil Engineers*, Vol 109, No. 7, pp 959-990. \*

\* **Burkham and Dawdy 1976**

Burkham, Durl E., and Dawdy, David R. 1976 (Oct). "Resistance Equation for Alluvial Channel Flow," *Journal of the Hydraulics Division, American Society of Civil Engineers*, pp 1479-1489. \*

**Carlson and Miller 1956**

Carlson, Enos J., and Miller, Carl R. 1956 (Apr). "Research Needs in Sediment Hydraulics," *Journal of the Hydraulics Division, American Society of Civil Engineers*, Vol 82, Paper No. 953, HY2, pp 953-1 through 953-33.

**Carter, Carlson, and Lane 1953**

Carter, A. C., Carlson, E. J., and Lane, E. W. 1953. "Critical Tractive Forces on Channel Side Slopes in Coarse, Non-Cohesive Material," Hydraulic Laboratory Report No. HYD-366, US Bureau of Reclamation, Denver, CO.

**Chow 1959**

Chow, Ven Te. 1959. *Open Channel Hydraulics*, McGraw-Hill, New York.

**Chien 1956**

Chien, Ning. 1956. "The Present Status of Research on Sediment Transport," *Transactions, American Society of Civil Engineers*, Vol 121, Paper No. 2824, pp 833-868.

**Colby 1964a**

Colby, Bruce R. 1964a. "Discharge of Sands and Mean-Velocity Relationships in Sand-Bed Streams: Sediment Transport in Alluvial Channels," Geological Survey Professional Paper 462-A, US Department of Interior, US Government Printing Office, Washington, DC.

**Colby 1964b**

Colby, Bruce R. 1964b (Mar). "Practical Computations of Bed-Material Discharge," *Journal of the Hydraulics Division, American Society of Civil Engineers*, Vol 90, Paper No. 3843, pp 217-246.

\* **Copeland and Thomas 1989**

Copeland, Ronald R., and Thomas, William A. 1989 (Apr). "Corte Madera Creek Numerical Sedimentation Study," Technical Report HL-89-6, US Army Engineer Waterways Experiment Station, Vicksburg, MS. \*

\* **Cox 1973**

Cox, R. G. 1973 (Feb). "Effective Hydraulic Roughness for Channels Having Bed Roughness Different from Bank Roughness," Miscellaneous Paper H-73-2, US Army Engineer Waterways Experiment Station, Vicksburg, MS. \*

**Davis and Sorenson 1969**

Davis, Calvin Victor, and Sorenson, Kenneth E., eds. 1969. *Handbook of Applied Hydraulics*, 3d ed., McGraw-Hill, New York.

**Dodge 1948**

Dodge, B. H. 1948 (Jan). "Design and Operation of Debris Basins," *Proceedings, Federal Inter-Agency Sedimentation Conference*, Denver, CO, 6-8 May 1947, US Department of the Interior, Bureau of Reclamation, Washington, DC, pp 274-301.

**Escoffier and Boyd 1962**

Escoffier, Francis F., and Boyd, Marden B. 1962 (Nov). "Stability Aspects of Flow in Open Channels," *Journal of the Hydraulics Division, American Society of Civil Engineers*, Vol 88, Paper No. 3331, HY6, pp 145-166. (See also "Types of Flow in Open Channels," Miscellaneous Paper No. 2-498, June 1962, US Army Engineer Waterways Experiment Station. Essentially the same paper except design graphs are included to a larger scale.)

**Ferrell and Barr 1963**

Ferrell, W. R., and Barr, W. R. 1963 (Jan). "Criteria and Methods for Use of Check Dams in Stabilizing Channel Banks and Beds," *Proceedings, Federal Inter-Agency*

*Sedimentation Conference*, Jackson, MS, 28 January-1 February 1963, US Department of Agriculture, Agriculture Research Service Miscellaneous Publication No. 970, Paper No. 44, pp 376-386.

**Fortier and Scobey 1926**

Fortier, Samuel, and Scobey, Fred C. 1926. "Permissible Canal Velocities," *Transactions, American Society of Civil Engineers*, Vol 89, Paper No. 1588, pp 940-984.

**Galay, Yaremko, and Quazi 1987**

Galay, V. J., Yaremko, E. K., and Quazi, M. E. 1987. "River Bed Scour and Construction of Stone Riprap Protection," *Sediment Transport in Gravel-bed Rivers*, edited by Thorne, Bathurst, and Hey, Wiley, New York, pp 353-383.

**Gildea 1963**

Gildea, A. P. 1963 (Jan). "Design Practice for Levee Revetment on West Coast Intermittent Streams," *Proceedings, Federal Inter-Agency Sedimentation Conference*, Jackson, MS, 28 January-1 February 1963, US Department of Agriculture, Agriculture Research Service Miscellaneous Publication No. 970, Paper No. 57, 492-507.

**Gildea and Wong 1967**

Gildea, Albert P., and Wong, Ralph F. 1967. "Flood Control Channel Hydraulics," *Proceedings, Twelfth Congress of the International Association for Hydraulic Research*, 11-14 September 1967, Fort Collins, CO, Vol 1, pp 330-337.

**Gumensky 1949**

Gumensky, D. B. 1949 (Dec). "Air Entrained in Fast Water Affects Design of Training Walls and Stilling Basins," *Civil Engineering*, Vol 19, No. 12, pp 35-37, 93.

**Hall 1943**

Hall, L. Standish. 1943. "Open Channel Flow at High Velocities," *Transactions, American Society of Civil Engineers*, Vol 108, Paper No. 2205, pp 1394-1434.

**Ippen 1950**

Ippen, A. T. 1950. "Channel Transitions and Controls," *Engineering Hydraulics, Proceedings of the Fourth Hydraulics Conference*, Iowa Institute of Hydraulic Research, 12-15 June 1949, edited by H. Rouse, Wiley, New York, Chapter VIII, pp 496-588.

**Ippen 1951**

Ippen, Arthur T. 1951. "Mechanics of Supercritical Flow," *Transactions, American Society of Civil Engineers*, Vol 116, pp 268-295.

\* **Ippen and Dawson 1951**

Ippen, Arthur T., and Dawson, John H. 1951. "Design of Channel Contractions," *Transactions, American Society of Civil Engineers*, Vol 116, pp 326-346.

**Ippen and Harleman 1956**

Ippen, Arthur T., and Harleman, Donald R. F. 1956. "Verification of Theory for Oblique Standing Waves," *Transactions, American Society of Civil Engineers*, Vol 121, Paper No. 2815, pp 678-694.

**Isbash 1936**

Isbash, S. V. 1936. "Construction of Dams by Depositing Rock in Running Water," *Transaction, Second Congress on Large Dams*, Vol 5, pp 123-126.

**Jaeger 1957**

Jaeger, Charles. 1957. *Engineering Fluid Mechanics*, St. Martin's Press, Inc., New York, (translated from the German by P. O. Wolf).

\* **James and Brown 1977**

James, Maurice, and Brown, Bobby J. 1977 (Jun). "Geometric Parameters that Influence Floodplain Flow," Research Report H-77-1, US Army Engineer Waterways Experiment Station, Vicksburg, MS. \*

**Jones 1964**

Jones, Llewellyn Edward. 1964 (May). "Some Observations on the Undular Jump," *Journal of the Hydraulics Division, American Society of Civil Engineers*, Vol 90, Paper No. 3901, HY3, pp 69-82.

**Keulegan and Patterson 1940**

Keulegan, Garbis H., and Patterson, George W. 1940 (Jan). "Mathematical Theory of Irrotational Translation Waves," *Journal of Research of the National Bureau of Standards*, Research Paper RP1272, Vol 24, No. 1, pp 47-101.

**Koch 1926**

Koch, A. 1926. *Von der Bewegung des Wassers und den dabei auftretenden Kräften*, M. Carstanjen, ed., Julius Springer, Berlin. \*

**Komura 1960**

Komura, Saburo. 1960 (Mar). "Some Studies on the Hydraulic Jump and the Submerged Efflux," *Translation of the Japan Society of Civil Engineers*, No. 67, 27-34. English translation by the author available at the US Army Engineer Waterways Experiment Station, ATTN: Research Library, CEWES-IM-MI-R, 3909 Halls Ferry Road, Vicksburg, MS 39180-6199.

**Lane 1955**

Lane, Emory W. 1955. "Design of Stable Channels," *Transactions, American Society of Civil Engineers*, Vol 120, Paper No. 2776, pp 1234-1279.

**Lane and Carlson 1953**

Lane, E. W., and Carlson, E. J. 1953. "Some Factors Affecting the Stability of Canals Constructed in Coarse Granular Materials," *Proceedings, Minnesota International Hydraulics Convention*, Minneapolis, MN, 1-4 September 1953, pp 37-48.

**Leliavsky 1955**

Leliavsky, Serge. 1955. *An Introduction to Fluvial Hydraulics*, Constable and Company, London.

\* **Limerinos 1970**

Limerinos, J. T. 1970. "Determination of the Manning Coefficient from Measured Bed Roughness in Natural Channels," Geological Survey Water-Supply Paper 1898-B, Prepared in cooperation with the California Department of Water Resources, US Government Printing Office, Washington, DC. \*

**Linder 1963**

Linder, Walter M. 1963 (Jan). "Stabilization of Stream Beds with Sheet Piling and Rock Sills," *Proceedings, Federal Inter-Agency Sedimentation Conference*, Jackson, MS, 28 January-1 February 1963, US Department of Agriculture, Agriculture Research Service Miscellaneous Publication No. 970, Paper No. 55, pp 470-484.

**Maynard 1988**

Maynard, S. T. 1988 (Mar). "Stable Riprap Size for Open Channel Flows," Technical Report HL-88-4, US Army Engineer Waterways Experiment Station, Vicksburg, MS.

\* **Maynard 1992**

Maynard, S. T. 1992. "Riprap Stability: Studies in Near-Prototype Size Laboratory Channel," Technical Report

HL-92-5, US Army Engineer Waterways Experiment Station, Vicksburg, Ms. \*

\* **Maynard 1993**

Maynard, S. T. 1993. "Flow Impingement, Snake River, Wyoming," Technical Report HL-93-9, US Army Engineer Waterways Experiment Station, Vicksburg, MS. \*

**McCormick 1948**

McCormick, Charles W. B. 1948 (Jun). "Modified Spiral Curve Tables," US Army Engineer District, Los Angeles, Los Angeles, CA.

**Moore, Wood, and Renfro 1960**

Moore, Charles M., Wood, Walter J., and Renfro, Graham W. 1960 (Feb). "Trap Efficiency of Reservoirs, Debris Basins, and Debris Dams," *Journal of the Hydraulics Division, American Society of Civil Engineers*, Vol 86, Paper No. 2374, HY2, pp 69-87.

**Neill 1973**

Neill, C. R. 1973. "Guide to Bridge Hydraulics," Roads and Transportation Association of Canada, University of Toronto Press, Toronto, ON.

\* **Petryk and Bosmajian 1975**

Petryk, Sylvester, and Bosmajian, George, III. 1975. "Analysis of Flow Through Vegetation," *Journal of the Hydraulics Division, American Society of Civil Engineers*, HY7, pp 871-884. \*

**Posey and Hsing 1938**

Posey, C. J., and Hsing, P. S. 1938 (22 Dec). "Hydraulic Jump in Trapezoidal Channels," *Engineering News-Record*, Vol 121, No. 25, pp 797-798.

**Raju 1937**

Raju, S. P. 1937 (Nov). "Resistance to Flow in Curved Open Channels," *Abridged Translations of Hydraulic Papers, Proceedings, American Society of Civil Engineers*, Vol 63, No. 9, pp 49-55.

**Rouse 1950**

Rouse, Hunter, ed. 1950. *Engineering Hydraulics, Proceedings of the Fourth Hydraulics Conference*, Iowa Institute of Hydraulic Research, 12-15 June 1949, Wiley, New York. \*

**Rouse 1965**

Rouse, Hunter. 1965 (Jul). "Critical Analysis of Open-Channel Resistance," *Journal of the Hydraulics Division, American Society of Civil Engineers*, Vol 91, Paper No. 4387, HY4, pp 1-25.

**Rouse, Bhoota, and Hsu 1951**

Rouse, Hunter, Bhoota, B. V., and Hsu, En-Yun. 1951. "Design of Channel Expansions," *Transactions, American Society of Civil Engineers*, Vol 116, pp 347-363.

**Sandover and Zienkiewicz 1957**

Sandover, J. A., and Zienkiewicz, O. C. 1957 (Nov). "Experiments on Surge Waves," *Water Power*, Vol 9, No. 11, pp 418-424.

**Scobey 1933**

Scobey, Fred C. 1933. "The Flow of Water in Flumes," Technical Bulletin No. 393, US Department of Agriculture, US Government Printing Office, Washington, DC.

**Scobey 1939**

Scobey, Fred C. 1939. "The Flow of Water in Irrigation and Similar Canals," Technical Bulletin No. 652, Washington, DC.

**Shukry 1950**

Shukry, Ahmed. 1950. "Flow Around Bends in an Open Flume," *Transactions, American Society of Civil Engineers*, Vol 115, pp 751-788.

**Simons 1957**

Simons, Daryl B. 1957 (Reprinted 1960). "Theory and Design of Stable Channels in Alluvial Materials," Report CER. No. 57DBS17, Colorado State University, Fort Collins, CO.

\* **Simons and Richardson 1966**

Simons, D. B., and Richardson, E. V. 1966. "Resistance to Flow in Alluvial Channels," US Geological Survey Professional Paper 422-J, US Government Printing Office, Washington, DC. \*

**Soil Conservation Service 1954**

Soil Conservation Service. 1954 (Jun). "Handbook of Channel Design for Soil and Water Conservation," SCS-TP-61, March 1947, revised June 1954, Stillwater Outdoor Hydraulic Laboratory, Stillwater, OK, US Department of Agriculture, Washington, DC.

**Stonestreet, Copeland, and McVan 1991**

Stonestreet, Scott E., Copeland, Ronald R., and McVan, Darla C. 1991 (Aug). "Bed Load Roughness in Supercritical Flow," *Hydraulic Engineering, Proceedings of the 1991 National Conference*, American Society of Civil Engineers, Nashville, TN, July 29-August 2, Richard M. Shane, ed., New York, pp 61-66. \*

**Straub and Anderson 1960**

Straub, Lorenz C., and Anderson, Alvin G. 1960. "Self-Aerated Flow in Open Channels," *Transactions, American Society of Civil Engineers*, Vol 125, Paper No. 3029, pp 456-486.

**Task Committee on Preparation of Sedimentation Manual 1966**

Task Committee on Preparation of Sedimentation Manual. 1966 (Mar). "Sediment Transportation Mechanics: Initiation of Motion," *Journal of the Hydraulics Division, American Society of Civil Engineers*, Vol 92, Paper No. 4738, HY2, pp 291-314.

**Tatum 1963**

Tatum, F. E. 1963 (Jan). "A New Method of Estimating Debris-Storage Requirements for Debris Basins," *Proceedings, Federal Inter-Agency Sedimentation Conference*, Jackson, MS, 28 January-1 February 1963, US Department of Agriculture, Agriculture Research Service Miscellaneous Publication No. 970, Paper No. 89, pp 886-898.

**Taylor 1944**

Taylor, Edward H. 1944. "Flow Characteristics at Rectangular Open-Channel Junctions," *Transactions, American Society of Civil Engineers*, Vol 109, Paper No. 2223, pp 893-912.

**Terrell and Borland 1958**

Terrell, Pete W., and Borland, Whitney M. 1958. "Design of Stable Canals and Channels in Erodible Material," *Transactions, American Society of Civil Engineers*, Vol 123, Paper No. 2913, pp 101-115.

\* **Thomas, Copeland, Raphael, and McComas (in preparation)**

Thomas, William A., Copeland, Ronald R., Raphael, Nolan K., and McComas, Dinah N. "Hydraulic Design Package for Channels (SAM), User Manual" (in preparation), US Army Engineer Waterways Experiment Station, Vicksburg, MS. \*

**Thorne 1989**

Thorne, Colin R. 1989 (May). "Bank Processes on the Red River Between Index, Arkansas and Shreveport, Louisiana; Final Technical Report," European Research Office of the US Army, London, England.

**Tilp and Scrivner 1964**

Tilp, Paul J., and Scrivner, Mansil W. 1964 (Apr). "Analysis and Descriptions of Capacity Tests in Large

Concrete Lined Canals," Technical Memorandum No. - 661, US Department of Interior, Bureau of Reclamation, Denver, CO.

**US Army Corps of Engineers 1981**

US Army Corps of Engineers. 1981 (Dec). "Final Report to Congress, The Streambank Erosion Control Evaluation and Demonstration Act of 1974," Section 32, Public Law 93-251, Washington, DC.

**US Army Engineer District, Los Angeles 1939**

US Army Engineer District, Los Angeles. 1939 (May). "Report on Engineering Aspects, Flood of March, 1938; Appendix I, Theoretical and Observed Bridge Pier Losses," Los Angeles, CA.

**US Army Engineer District, Los Angeles 1943**

US Army Engineer District, Los Angeles. 1943 (Dec). "Hydraulic Model Study, Los Angeles River Channel Improvement, Dayton Avenue to Fourth Street, Los Angeles, California," Los Angeles, CA.

**US Army Engineer District, Los Angeles 1947**

US Army Engineer District, Los Angeles. 1947 (Jun). "Hydraulic Model Study, Los Angeles River Channel Improvement, Stewart and Gray Road to Pacific Electric Railway," Los Angeles, CA.

**US Army Engineer District, Los Angeles 1949**

US Army Engineer District, Los Angeles. 1949 (Jul). "Hydraulic Model Study, Los Angeles River Improvement, Whitsett Avenue to Tujunga Wash," Los Angeles, CA.

**US Army Engineer District, Los Angeles 1950**

US Army Engineer District, Los Angeles. 1950 (May). "Analysis of Design on Tujunga Wash Channel Improvement, Los Angeles River to Hansen Dam, Vanowen Street to Beachy Avenue," Los Angeles, CA.

**US Army Engineer District, Los Angeles 1958**

US Army Engineer District, Los Angeles. 1958 (May). "Transition Structure for North Diversion Channel, Albuquerque, New Mexico; Hydraulic Model Investigation," Report No. 1-102, Los Angeles, CA.

**US Army Engineer District, Los Angeles 1960a**

US Army Engineer District, Los Angeles. 1960a (Aug). "Inlet and Outlet Channels for Upper Rio Hondo Spreading Basin; Hydraulic Model Investigation," Report No. 1-103, Los Angeles, CA.

**US Army Engineer District, Los Angeles 1960b**

US Army Engineer District, Los Angeles. 1960b (Mar). "Typical Side Drains; Hydraulic Model Investigation," Report No. 2-101, Los Angeles, CA.

**US Army Engineer District, Los Angeles 1961**

US Army Engineer District, Los Angeles. 1961 (May). "Walnut Creek Inlet Channel; Hydraulic Model Investigation," Report No. 1-104, Los Angeles, CA.

**US Army Engineer District, Los Angeles 1962**

US Army Engineer District, Los Angeles. 1962 (Oct). "Transition for Chino Creek Channel; Hydraulic Model Investigation," Report No. 1-106, Los Angeles, CA.

**US Army Engineer District, Los Angeles 1963**

US Army Engineer District, Los Angeles. 1963 (Jun). "General Design for San Gabriel River, Whittier Narrows Dam to Coyote Creek," Design Memorandum No. 3, Los Angeles, CA.

**US Army Engineer District, Los Angeles 1964**

US Army Engineer District, Los Angeles. 1964 (Feb). "Walnut Creek Channel and Side Drains; Hydraulic Model Investigation," Report No. 2-104, Los Angeles, CA.

**US Army Engineer District, Los Angeles 1972**

US Army Engineer District, Los Angeles. 1972 (Mar). "Supercritical Flow in Curved Channels; Hydraulic Model Investigation," Report No. 1-109, Los Angeles, CA.

**US Army Engineer District, Walla Walla 1960**

US Army Engineer District, Walla Walla. 1960 (24 Jun). "Flood Control Improvement, Colfax, Washington, Palouse River and Tributaries, Washington," Design Memorandum No. 1, Walla Walla, WA.

\* **US Army Engineer Hydrologic Engineering Center 1986**

US Army Engineer Hydrologic Engineering Center 1986 (Dec). "Accuracy of Computed Water Surface Profiles," Research Document 26, Prepared for the Federal Highway Administration by the Hydrologic Engineering Center, Davis, CA. \*

\* **US Army Engineer Hydrologic Engineering Center 1990**

US Army Engineer Hydrologic Engineering Center. 1990 (Sep). "HEC-2, Water Surface Profiles; Users Manual," Davis, CA. \*

**US Army Engineer Waterways Experiment Station 1949a**

US Army Engineer Waterways Experiment Station. 1949a (Nov). "Flood-Control Project for Johnstown, Pennsylvania; Model Investigation," Technical Memorandum No. 2-303, Vicksburg, MS.

**US Army Engineer Waterways Experiment Station 1949b**

US Army Engineer Waterways Experiment Station. 1949b (Mar). "Flood Protection Plans for Brady, Texas; Model Investigation," Technical Memorandum No. 2-270, Vicksburg, MS.

**US Army Engineer Waterways Experiment Station 1953**

US Army Engineer Waterways Experiment Station. 1953 (Dec). "Flood-Control Project for Allentown, Pennsylvania; Hydraulic Model Investigation," Technical Memorandum No. 2-376, Vicksburg, MS.

**US Army Engineer Waterways Experiment Station 1957**

US Army Engineer Waterways Experiment Station. 1957 (Jan). "Flood Protection Plans for Cumberland, Maryland & Ridgeley, West Virginia; Hydraulic Model Investigation," Technical Report No. 2-448, Vicksburg, MS.

**US Army Engineer Waterways Experiment Station 1962**

US Army Engineer Waterways Experiment Station. 1962 (Jun). "Flood-Control Project, Hoosic River, North Adams, Massachusetts; Hydraulic Model Investigation," Technical Memorandum No. 2-338, Report 2, Vicksburg, MS.

**US Bureau of Reclamation 1948**

US Bureau of Reclamation. 1948. "Studies of Crests for Overfall Dams," Boulder Canyon Project Final Reports, Part VI, Hydraulic Investigations Bulletin 3, US Department of the Interior, Denver, CO.

**US Bureau of Reclamation 1967**

US Bureau of Reclamation. 1967. "General Design Information for Structures," Chapter 2, *Canals and Related Structures*, Design Standards No. 3, US Department of the Interior, Denver, CO.

**US Department of Agriculture 1947**

US Department of Agriculture. 1947 (Revised June 1954). "Handbook of Channel Design for Soil and Water

Conservation,” SCS-TP-61, prepared by Stillwater Outdoor Hydraulic Laboratory, Stillwater, OK, for Soil Conservation Service, Washington, DC. \*

\* **Vanoni 1975**

Vanoni, V. A., ed. (1975). “Sedimentation Engineering,” Manuals and Reports on Engineering Practice--No. 54, American Society of Civil Engineers, New York. \*

**Vanoni, Brooks, and Kennedy 1961**

Vanoni, V. A., Brooks, N. H., and Kennedy, J. F. 1961 (Jan). “Lecture Notes on Sediment Transportation and Channel Stability,” Report No. KH-R-1, W. M. Keck Laboratory of Hydraulics and Water Resources, California Institute of Technology, Pasadena, CA.

**Webber and Greated 1966**

Webber, Norman Bruton, and Greated, Clive Alan. 1966 (Jul). “An Investigation of Flow Behaviour at the Junction of Rectangular Channels,” *Proceedings, The Institution of Civil Engineers*, Vol 34, Paper No. 6901, pp 321-334.

**Winkel 1951**

Winkel, Richard. 1951 (Dec). “Technical Possibilities of Guiding a Swift Current into Slowly Flowing Water with

a Minimum of Losses” (“Bautechnische Möglichkeiten, einen schnell fließenden Wasserstrom möglichst verlustfrei in langsam fließendes Wasser überzuleiten”), *Die Bautechnik*, Vol 28, No. 12, pp 309-310. Translation No. 53-2, March 1953, US Army Engineer Waterways Experiment Station, Vicksburg, MS.

**Woodward 1920**

Woodward, Sherman M. 1920. “Hydraulics of the Miami Flood Control Project,” Technical Reports, Part VII, The Miami Conservancy District, State of Ohio, Dayton, OH.

**Woodward and Posey 1941**

Woodward, Sherman M., and Posey, Chesley J. 1941. *Hydraulics of Steady Flow in Open Channels*, Wiley, New York.

**Woolhiser and Lenz 1965**

Woolhiser, David A., and Lenz, Arno T. 1965 (May). “Channel Gradients Above Gully-Control Structures,” *Journal of the Hydraulics Division, American Society of Civil Engineers*, Vol 91, Paper No. 4333, HY3, pp 165-187. \*